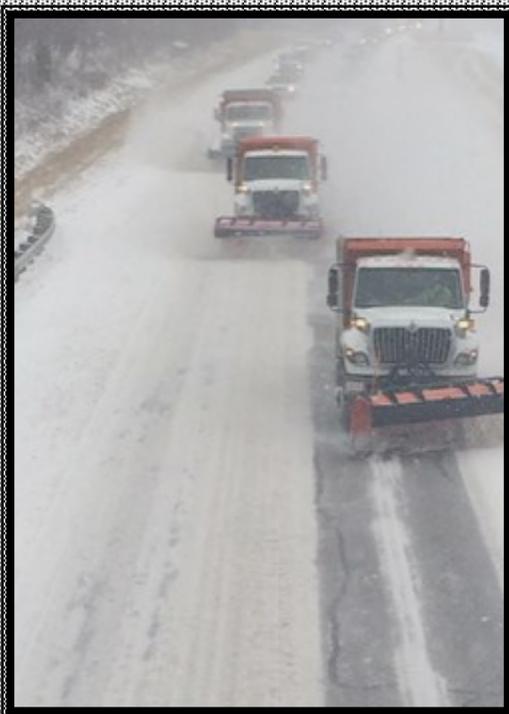


HAMILTON COUNTY OHIO

2020 ANNUAL REPORT

THEODORE B. HUBBARD, P.E.- P.S.
HAMILTON COUNTY ENGINEER



ERIC J. BECK, P.E.-P.S.
Chief Deputy Engineer

February 27, 2020



THEODORE B. HUBBARD, P.E.-P.S.
HAMILTON COUNTY ENGINEER

To the County and Township Officials:

It is a very special honor and privilege to welcome you to the 2020 Annual Meeting of County and Township Officials. This will be my last meeting to address you as the Hamilton County Engineer. I am officially retiring effective at midnight on February 29, 2020. Eric Beck will be the next County Engineer. It has been a remarkable honor and privilege to work for the citizens of Hamilton County as well as our Township and County Partners. I have enjoyed beyond measure working with you as a team to solve the many corridor challenges faced over the years for the benefit of the travelling public.

The winter season so far has been extremely mild, and salt inventories are plentiful. Even though the salt supply has been abundant, we did see the unit prices increase to almost \$90 per ton. Hopefully a decrease in the unit price of salt will be realized if the weather remains mild.

Local government cooperation continued to make great strides in 2019. Many of the larger long term projects such as Winton Road, Sycamore Road and Cheviot Road were advanced to construction or completed last year. This was made possible by leveraging and pooling our local resources to secure needed grant funding. The Hamilton County Engineer's Office (HCEO) 2019 Construction Program, with inclusion of the 20% Fund Program and the Municipal Road Program was once again 3 times greater in value than the local funding provided from resources administered by the HCEO.

A very large effort was made this year to address major land slide problems that threaten the Hamilton County Roadway System. The major slides along Cliff Road and Summit Road were addressed as well as one of the slides along Hillside Road. Additional slide correction projects are targeted for the months to come along Asbury Road, Markley Road, Wesselman Road, Witt Road and Zion Hill Road.

The most recent \$5 Motor Vehicle Permissive License Fee increase brought in additional revenue in Calendar Year 2019, which made it possible to replace bridges on Ragland / Turpin Road and Keller Road as well as rehabilitate the Hillside Road Bridge. A portion of this funding was targeted and set aside to help grow the local match pool to strengthen our collective ability, along with funding commitments put in place by Cincinnati, to compete for other state and federal grants needed to complete the \$335 million Western Hills Viaduct Replacement Project.

A special thank you needs to be extended to Governor Mike DeWine and the Ohio State Legislature for listening to the coalition of chamber of commerce, contractors, truck industry and local government representatives including the Ohio County Commissioners Association, the Ohio Township Association and the Ohio County Engineers Association regarding the need to adjust the Ohio gas tax. Governor DeWine signed legislation this past spring that increased the Ohio gas tax by 10.5 cents. Many townships will see their gas tax revenues double thanks to State Representative Bill Seitz who fiercely fought back efforts by some to erode the gas tax revenue formula for urban townships. The HCEO will also benefit from this gas tax increase by generating additional new revenue to address future infrastructure operational needs.

The following report provides an overview of our past year activities as well as our goals and projects for the future. Please review the enclosed material as well as the exhibits on display. Your input is most deeply appreciated.

Your questions, comments and suggestions, as always, are welcome, helpful and deeply valued.

Very truly yours,

Theodore B. Hubbard, P.E.-P.S.
Hamilton County Engineer



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Contact Us

We strongly recommend our web site at www.hamilton-co.org/engineer for the latest , and pertinent information. At the web site you can view project and construction news, Hamilton County Storm Water District information, order maps and much more. Departmental information is available on our web site.

Address: Todd Portune Center for County Government
138 East Court Street, Room 700
Cincinnati, Ohio 45202
Voice: 513.946.4250
Fax: 513.946.4288
Internet: www.hamilton-co.org/engineer
Email: hce.webmaster@hamilton-co.org

CONTACT INFORMATION

HAMILTON COUNTY, STATE OF OHIO

Formed in 1790, Population 2018 Census 816,684 with 414 Square Miles,
12 Townships, 36 other Municipalities, and City of Cincinnati, and over 360,000 parcels of land.



THEODORE B. HUBBARD, P.E.-P.S. **HAMILTON COUNTY ENGINEER**

Phone: 513-946-8902 Fax: 513-946-4288

Todd Portune Center for County Government
138 East Court Street, Room 700
Cincinnati, OH 45202-1258
www.hamilton-co.org/engineer
Email: Eric.Beck@hamilton-co.org

Office Hours Monday - Friday: 7:30-4:00

General Information	Todd Portune Center for County Government	946-4250
General Information	Burlington Facility	946-8900
Eric Beck, P.E - P.S.	Chief Deputy Engineer	946-8432
Todd Gadbury, P.E., S.I.	Planning and Design Engineer	946-8445
Robert Heidkamp, P.S.	Deputy Surveyor, GIS, Computer	946-4265
Todd Long, P.E.-P.S.	Deputy Engineer / Records/ Storm Water	946-4254
Lisa Doerger	Budget and Finance Director	946-4278
Mark McGownd	Fleet Superintendent	946-8409
Charlene Vollhardt	Administrative Assistant/Compliance Officer	946-8902
Tom Brayshaw, P.E.	Professional Engineer Bridge Department	946-8419
Mike Pittinger, P.E.	Professional Engineer 2	946-8431
Jodi Couch	Purchasing Agent I	946-4272
Rob Duncan	Western Maintenance Supervisor	946-4968
Rick Feller	Sign Shop Foreman	946-8415
Jim Hetzel, P.S.	Professional Surveyor	946-4263
Jay Jones	Information System Manager	946-4270
Michelle McMullen	Road Records Supervisor	946-4299
Kirk Music	Eastern Maintenance Supervisor	946-4978
Jeff Newby, P.E., S.I.	Professional Engineer Traffic Department	946-8421
Mike Rodziewicz, P.S.	Tax Map, GIS	946-4284
Kris Farmer	Central Maintenance Supervisor	946-8922
Fred Schlimm	Project Funding Coordinator	946-8912
Tom Spille	Traffic Signals Foreman	946-8412
Dennis Vitolo	Tax Map Supervisor	946-4259
Caroline Waddle	Human Resources Supervisor	946-4271

Board of County Commissioners	946-4400	Animal Shelter (SPCA)	541-6100
County Administrator	946-4420	Hamilton County Public Health	946-7800
Cincinnati Metropolitan Housing	721-4580	Job & Family Services	946-1000
Community Development	946-8230	Mental Health & Recovery Board	946-8600
County Auditor	946-4000	Developmental & Disabilities Services	794-3300
Building Commissioner	946-4550	Metropolitan Sewer District	244-5500
Clerk of Courts-Auto Title	946-4646	Ohio Kentucky Indiana (OKI)	621-6300
Communications Center	825-2170	Hamilton County Park Board	521-7275
County Prosecutor	946-3000	Planning & Development	946-4550
Hamilton County Coroner	946-8700	Hamilton County Recorder	946-4600
County Facilities	946-5000	Regional Computer Center	352-6400
County Personnel	946-4700	Hamilton County Sheriff	946-6400
Board of Education	674-4200	Soil & Water Conservation	772-7645
Board of Elections	632-7000	Hamilton County Treasurer	946-4800
Emergency Management	263-8200	Veterans Service Commission	946-3300
Environmental Services	946-7777	Zoning	946-4502

Hamilton County Facts and Data

GENERAL DATA

Population (2018)	816,684 (Including Municipalities)
Area	414 square miles

Source: <https://factfinder.census.gov>

Courthouse Elevation 549 Feet
 Highest Elevation 1,081 Feet (Rumpke Landfill)
 Lowest Elevation 450 Feet (Ohio River)
 Highest Natural Elevation 963 Feet Water Tower @ North Bend & Colerain

2018 POPULATION

Anderson Twp.	44,081	Harrison Twp.	15,863
Colerain Twp.	59,376	Miami Twp.	16,079
Columbia Twp.	4,507	Springfield Twp.	36,644
Crosby Twp.	2,822	Sycamore Twp.	19,471
Delhi Twp.	29,786	Symmes Twp.	14,913
Green Twp.	59,175	Whitewater Twp.	5,503
TOTAL		308,220	

Source: <https://development.ohio.gov>

Information available to the public includes:

- Surveys
- Field Notes
- Section Corners
- E-File
- 2019 Aerial Photos
- Benchmarks (survey monuments with state plane coordinates and elevation)
- Tax Maps (shows property lines, roads, subdivision names, Book-Page-Parcel)



HAMILTON COUNTY ENGINEER'S OFFICE

THEODORE B. HUBBARD, P.E. - P.S.

www.hamilton-co.org/Engineer



MAINTENANCE DEPT.

- Largest Department in Engineer's Office
- Maintains Roadways
 - Snow & Ice Removal in winter
 - Fix potholes
 - Cut brush/mow in Right of Way
 - Stabilize road & hill slips
 - Pipes/walls/piers & guardrails
 - Roadkill & foreign object removal
- 3 Divisions & 2 Substations
 - Divisions
 - Eastern - located in Newtown
 - Central - located in Burlington Area
 - Western - located just outside Miamitown
 - Substation (Locations)
 - Delhi Township
 - City of Harrison
 - Service Garage & Traffic Dept
 - Hartwell

For more information visit:
www.hamilton-co.org/engineer/maintenance.htm
or scan the QR Code to the right -->



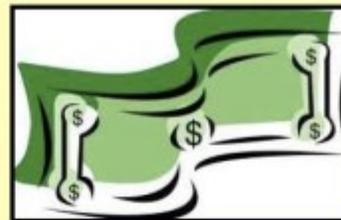
BUDGET DEPT.

- Budget of \$20 mil + for roads & bridges
- Responsible for procurement of equipment & materials for projects
- Monitors payroll & Capital Improvement Projects

How the Engineer's Office is funded

- Fuel taxes
- Motor Vehicle Registration Fees
- Supplemental Funds (voted bond issues & levies, as well as fines)

For more information visit:
www.hamilton-co.org/Engineer/budget.htm
or scan the QR Code to the right -->



ONLINE INFORMATION

- Engineer's Office Manuals
 - Subdivision Manual
 - Driveway Manual
 - Right of Way Manual
 - Transfer & Conveyance Standards
 - Benchmarks
 - Section Corners
- For this information and more visit:
www.hamilton-co.org/engineer/taxmaps_new.htm
 or scan the QR Code to the right -->



ONLINE INFORMATION

- CAGIS Online
 - Tax Maps
 - Surveys
 - Old Index Sheets
 - Topographic Maps
- For the CAGIS map visit:
<http://cagisonline.hamiltonco.org/cagisonline/index.html>
 or scan the QR Code to the right -->



PLANNING & DESIGN DEPT.

- Responsible for all improvement plans for county roads
- Includes
 - Development of improvement concept
 - Preparation and/or review of detailed plans
 - Acquisition of easements and/or Right of Way
 - Preparation of notes and quantities for bidding
 - Selection of contractor for improvements
- Project types include
 - Road/Lane widening
 - Drainage/storm sewer improvements
 - Installation/repair of guardrails
 - Sidewalk replacement
 - Resurfacing of pavement
- Capital Improvement Program

For more information visit:
www.hamilton-co.org/engineer/planning_design.htm
 or scan the QR Code to the right -->



HAMILTON COUNTY STORM WATER DISTRICT (HCSWD)

- Administered by The Hamilton County Engineer's Office
- In partnership with other offices
 - Hamilton County Soil and Water Conservation District
 - Hamilton County Department of Planning and Development
 - Hamilton County Public Health
 - City of Cincinnati Stormwater Management Utility
 - The Metropolitan Sewer District of Greater Cincinnati
- Goals
 - Protection of Watersheds
 - Compliance with federal storm water permit requirements
 - Minimize impact of local flooding
 - improvement of overall health of local rivers, streams, & creeks
- Membership of District
 - 38 of 49 jurisdiction in Hamilton County including all 12 townships

For more information visit:
www.hamilton-co.org/stormwater/
 or scan the QR Code to the right -->



For more information visit:
www.savelocalwaters.org/
 or scan the QR Code to the right -->



HAMILTON COUNTY ENGINEER'S OFFICE

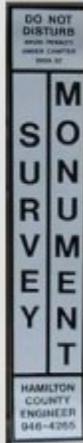
THEODORE B. HUBBARD, P.E. - P.S.

www.hamilton-co.org/Engineer



SURVEY/GIS DEPT.

- Land Surveying
- Record Keeping
 - Tax Maps
 - Benchmarks
 - Surveys
 - Section & Military Survey Corners
- Maintain Tax Maps
- Review of Deeds
- Editing of data for CAGIS



For more information visit:
www.hamilton-co.org/Engineer/survey_GIS.htm
or scan the QR Code to the left <--

For Recorders Plat Books Pre Apr 2003 visit:
http://recordersoffice.hamilton-co.org/helpful_information/plats.html
or scan the QR Code to the right -->



For the CAGIS map visit:
<http://cagisonline.hamilton-co.org/cagisonline/index.html>
or scan the QR Code to the left <--



CONSTRUCTION/PERMITS DEPT.

- Issues Permits for work done in Public Right of Way & Subdivisions

PERMITS

- Inspection of projects to ensure compliance with Permit Regulations
- Investigates complaints from public
 - Obstructions of Right of Way
 - Drainage problems
 - Illegally placed advertising in Right of Way
 - Problems due to new construction

CONSTRUCTION

- Inspection to validate fulfillment of contract

-Projects include:

- Intersection widening
- Sidewalk installation
- Storm sewer installation
- Road resurfacing

- Assist townships with road improvements

For more information visit:
www.hamilton-co.org/engineer/permits_const.htm
or scan the QR Code to the right -->



ONLINE INFORMATION

- Engineer's Office Manuals
 - Subdivision Manual
 - Driveway Manual
 - Right of Way Manual
 - Transfer & Conveyance Standards
 - Benchmarks
 - Section Corners
- For this information and more visit:
www.hamilton-co.org/engineer/tecmaps_new.htm
 or scan the QR Code to the right -->



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TRAFFIC DEPT.

The traffic department is responsible for the operation of 165 traffic signals, the maintenance of the pavement markings and over 19,000 signs, and performs and reviews traffic studies.

The Signal Shop maintains the traffic signals and school flashers, performs quarterly inspections, adjust signal timings, upgrades equipment (i.e. pedestrian countdown signals, addition of uninterruptable power supplies, new controller units).

The Sign Shop performs the long line and intersection striping on the county roadways, plus the manufacturing and installation of roadway signs.

The Traffic Department performs a number of zone and traffic studies

- School Zones
- Speed Zones
- No Parking Zones
- Pedestrian Safety Zones
- Curve Advisory Speed Studies
- Sight Distance Studies
- Traffic Signal Warrant Studies
- All-Way Stop Warrant Studies
- Yearly traffic counts at intersections
- Yearly crash analysis of intersections
- Yearly sign inspection to retroreflectivity standards
- Review of Traffic Impact Studies for developments
- Review of traffic control plans

For more information visit:
www.hamilton-co.org/Engineer/traffic.htm
 or scan the QR Code to the right -->



BRIDGE DEPT.

The Bridge Department is responsible for the inspection and maintenance of 421 bridges on the County roadway system. By state law, each structure must be inspected annually.

- Annual inspection of all county and township bridges
- Underwater inspections of below water features.
- Load Ratings performed for each structure per federal law.
- Submission of all inspection reports to the Ohio Department of Transportation.

Responsible for all plans for improvements or replacement of county bridges:

- Development of improvement concept.
- Preparation and/or review of detailed plans.
- Preparation of notes and quantities for bidding.
- Selection of contractor for improvements.
- Inspection and project management of bridge and retaining wall projects.

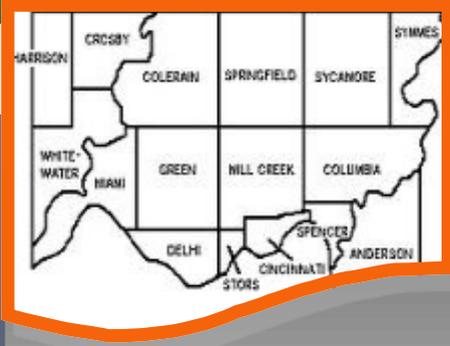
The Bridge Department also designs and constructs retaining structures to correct landslides, which affect the public right of way.

The Bridge Department oversees the daily work of the bridge maintenance crew. The "Bridge Crew" completes routine maintenance and minor repairs to keep the structures and retaining walls functioning as designed.

For more information visit:
www.hamilton-co.org/Engineer/Bridges.htm
 or scan the QR Code to the right -->



LICENSE Revenue 20% License Revenue Program



Each year the County Engineer has distributed to the Townships a portion (20%) of the License Revenue added in 1989. Funding amounts this year are based upon the 2019 Motor Vehicle Registrations (MVR). The Townships leverage these funds with a State Capital Improvement Program, Community Development Program, License Revenue Improvement Program, etc. This leveraging of funds will have a great impact on improving the infrastructure within Hamilton County and our Townships. The Office of the Hamilton County Engineer forwards application forms to each township annually. The Townships complete the forms and return them to the Engineer for review and prioritizing. After the review process, the Engineer presents findings and recommendations to the Board of Hamilton County Commissioners for final authorization.

When approved by the Board of Hamilton County Commissioners, the Clerk of the Board issues a Volume and Image number to record the legislation. The Townships that have approved projects are sent a letter informing them of the approval.

The Township may request a warrant by a letter of invoice to the Engineer for the funds to be dispersed. The letter must include the dollar amount being requested, the project name, and the year of approval for 20% funding. The Hamilton County Auditor's Office issues payment directly to the Township. The funds are for use on the project specified. When the project is complete, the Township is expected to submit a full accounting to the Engineer. Funds not required for the named project are to be returned to the Engineer.

Funding Source

The 20% program funding is from funds received from the sale of license plates within the Township limits. This year, each Township receives an allotment percentage based on the year 2019 annual actual Motor Vehicle Registrations. This Fund provides approximately \$200,000.00 annually, and provides provisions for carry over.

Funds set aside for a Township for a 20% project must be paid to the Township, even if these monies ultimately must be returned to the Engineer. For example, in a case where the requested/approved project is to be performed by a Consultant/Contractor under the Engineer's contract (such as engineering, resurfacing, etc.) the monies shall be requested as detailed and forwarded to the Township. The Engineer will notify the Township of payment due by copy of Consultant/Contractor invoice whereby the Township shall send payment to the Engineer who in turn pays the Consultant/Contractor. If the final contract amount is lower than the funding received from the 20% funds, the Township must return the balance to the Engineer for deposit back into the 20% fund account.

HAMILTON COUNTY

MOTOR VEHICLE REGISTRATIONS



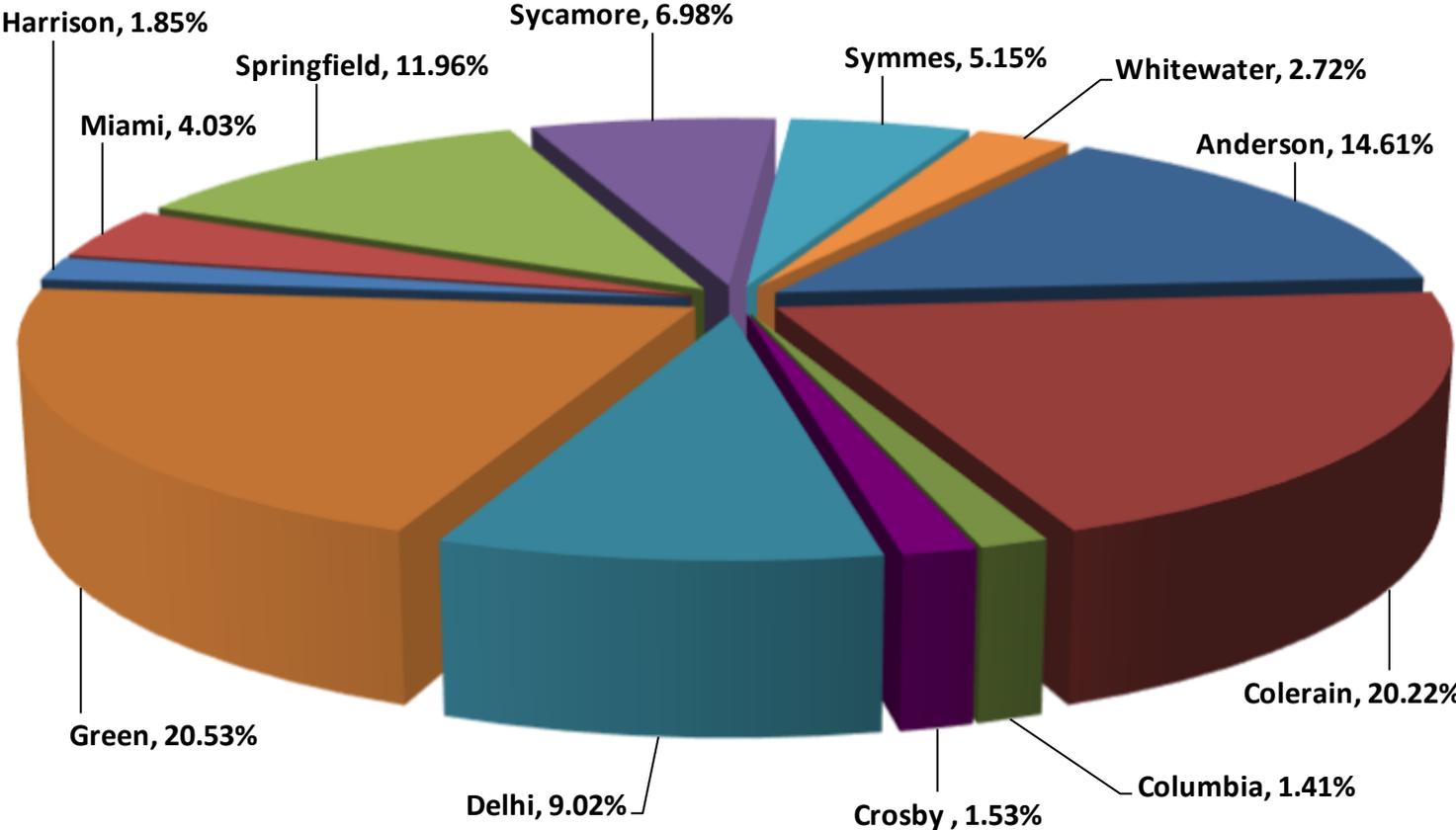
Type of Registration	2018 DISTRICT UNITS*	2019 DISTRICT UNITS**	2018 TOWNSHIP UNITS*	2019 TOWNSHIP UNITS**
Passenger Car	646,868	650,934	243,496	244,555
Motor Homes	1,728	1,798	936	946
Motorcycles	17,417	17,221	7,978	7,896
House Vehicles	4,867	4,872	2,824	2,890
Mopeds	64	108	19	21
Unconventional Vehicles	117	265	39	51
Non-Commercial Trailer	18,005	17,685	10,262	10,081
Non-Commercial Trucks	60,929	61,770	29,955	30,397
Farm Trucks	170	161	140	137
Buses	1,017	1,017	281	315
Commercial Trailers	13,137	12,702	4,878	4,974
Non-IRP Trucks	44,094	46,009	12,743	12,121
IRP Trucks	8,436	8,323	3,305	3,370
Transfers	51,052	51,759	16,965	17,027
Conversions & Add Weight	119	111	89	64
TOTAL REGISTRATION:	868,020	874,735	333,910	334,845
<p>*Source: State of Ohio, Bureau of Motor Vehicles as of Dec 2018 **Source: State of Ohio, Bureau of Motor Vehicles as of Dec 2019</p>				



LICENSE REVENUE TOWNSHIP DISTRIBUTION

TOWNSHIP	2019 M V R ANNUAL	2019 PERCENT	2020 YTD MONIES	2019 YTD AWARDED	2020 AVAILABLE
Anderson	\$29,230	14.61%	\$930,894	\$872,624	\$58,270
Colerain	\$40,430	20.22%	\$1,330,444	\$1,249,534	\$80,910
Columbia	\$2,810	1.41%	\$99,701	\$75,156	\$24,545
Crosby	\$3,050	1.53%	\$94,123	\$74,662	\$19,461
Delhi	\$18,040	9.02%	\$622,793	\$604,753	\$18,040
Green	\$41,060	20.53%	\$1,286,648	\$1,245,588	\$41,060
Harrison	\$3,700	1.85%	\$122,611	\$107,978	\$14,633
Miami	\$8,070	4.03%	\$246,919	\$197,788	\$49,131
Springfield	\$23,910	11.96%	\$744,970	\$721,060	\$23,910
Sycamore	\$13,960	6.98%	\$478,855	\$421,995	\$56,860
Symmes	\$10,300	5.15%	\$331,401	\$290,765	\$40,636
Whitewater	\$5,440	2.72%	\$160,754	\$149,913	\$10,841
Totals	\$200,000	100.00%	\$6,450,113	\$6,011,816	\$438,297

2019 Township License Revenue Distribution



ANNUAL TOWNSHIP DISTRIBUTION

Township	Project Year	Project Description	Approved	Year Paid Township	
Anderson	1990	PAVEMENT MANAGEMENT	\$11,050.00	1990	
	1991	BARTLES	\$10,275.00	1991	
	1992	BARTLES CONSTRUCTION	\$62,741.00	1992	
	1994	SIGNAL HILL SLIDE REPAIR	\$50,000.00	1995	
	1995	DEBOLT ROAD REHABILITATION	\$10,000.00	1995	
	1996	LAWYER POINTE CANCELLED	\$0.00	n/a	
	1997	PINWELL DRIVE	\$50,000.00	1998	
	1998	NAGEL / BEECHMONT	\$60,000.00	2000	
	1999	RIVERBY DRIVE	\$18,100.00	2000	
	1999	ENGINEERING FOR SCIP PROJECT	\$15,000.00	2000	
	2000	AYERSHIRE WILSHIRE SUNWAY	\$30,000.00	2001	
	2001	FOREST PARK SUBDIVISION	\$31,824.00	2001	
	2002	FOREST LAKE SUBDIVISION	\$30,000.00	2002	
	2003	PAVEMENT CONDITION SURVEY	\$12,000.00	2003	
	2004	BRUNS LANE	\$48,710.00	2004	
	2005	SIGNAL HILL	\$29,500.00	2006	
	2006	COVENTRY WOODS	\$31,935.00	2006	
	2007	2007 STREET RESURFACING	\$30,247.00	2007	
	2008	2008 STREET RESURFACING	\$30,191.00	2008	
	2009	2009 STREET REHABILITATION	\$29,442.00	2010	
	2010	2010 RESURFACING	\$17,796.00	2011	
	2012	DYER STREET REHABILITATION	\$29,349.00	2012	
	2016	CURB AND ADA RAMP IMPROVEMENTS	\$58,561.00	2016	
	2014	SHERWOOD SUBDIVISION	\$88,316.00	2014	
	2018	2018 STREET REHABILITATION	\$58,547.00	2018	
		ANDERSON TOTAL:		\$843,584.00	
	Colerain	1990	PAVEMENT REHABILITATION EARL	\$4,600.00	1990
1990		COLERAIN / SPRINGDALE INTERSECTION	\$20,000.00	1990	
1991		COLERAIN CORRIDOR STUDY	\$5,000.00	1991	
1991		EARL AVENUE RECONSTRUCT PHASEII	\$24,105.00	1991	
1991		SHELDON DRIVE RECONSTRUCT, ENGINEERING ONLY	\$19,366.00	1991	
1992		ROUNDTOP, CLARA, MCGILL, PRECHTEL	\$31,700.00	1992	
1992		PRECHTEL	\$23,850.00	1997	
1993		1993 ISSUE 2 RESURFACING	\$48,113.00	1993	
1994		1994 RESURFACING	\$40,000.00	1994	
1995		COLERAIN CORRIDOR SUB AREA 1	\$85,630.00	1995	
1997		1997 RESURFACING	\$48,690.00	1998	
1998		1998 STREET REHABILITATION	\$43,580.00	1999	
1999		VARIOUS ROADS REPAIR PROJECT	\$43,580.00	2000	
2000		RESURFACING2000	\$43,580.00	2000	
2001		RESURFACING2001	\$43,580.00	2001	
2002		RESURFACING2002	\$42,732.00	2002	
2003		VARIOUS ROADS RESURFACING	\$42,732.00	2003	
2004		2004 STREET REHABILITATION	\$42,522.00	2004	
2005		VARIOUS ROADS REHABILITATION	\$39,218.00	2005	
2006		2006 RESURFACING AND CONCRETE WORK	\$40,390.00	2006	
2007		2007 STREET RESURFACING	\$40,035.00	2007	
2008		2008 STREET RESURFACING	\$40,035.00	2008	
2009		2009 STREET RESURFACING	\$40,035.00	2009	
2010		2010 RESURFACING	\$31,367.00	2010	
2011		2011 STREET RESURFACING	\$40,313.00	2011	
2012		2012 RESURFACING PROGRAM	\$40,313.00	2012	
2016		2016 STREET REHABILITATION	\$121,597.00	2016	
2013	2013 RESURFACING PROGRAM	\$40,578.00	2013		
2018	2018 STREET REHABILITATION	\$81,813.00	2018		
	COLERAIN TOTAL:		\$1,209,054.00		

License Revenue—Continued

ANNUAL DISTRIBUTION

Township	Project Year	Project Description	Approved	Year Paid Township
Columbia	1992	PAVEMENT EVAL RIDGEWOOD SUBD	\$6,784.00	1992
	1995	1995 ROAD RESURFACING	\$7,116.00	1997
	1997	FAIRHURST DRIVE	\$4,744.00	1997
	1999	VARIOUS ROADS REPAIR PROJECTS	\$4,744.00	2001
	2000	RESURFACING 2000	\$2,372.00	2000
	2002	BERWICK STREET RESURFACING	\$4,210.00	2002
	2009	RIDGE & HIGHLAND	\$16,264.00	2010
	2011	STREET RESUFACING	\$7,187.00	2011
		COLUMBIA TOTAL:		\$53,421.00
Crosby	1999	VARIOUS ROADS REPAIR PROJECT	\$23,676.00	1999
	2002	RESURFACING 2002	\$6,988.00	2003
	2004	2004 STREET REHABILITATION	\$4,560.00	2006
	2009	2009 STREET RESURFACING	\$12,400.00	2011
	2011	ARISTOCRAT DRIVE CRACK SEALING	\$5,520.00	2012
	2013	CHIPSTONE DRIVE	\$5,107.00	2013
	CROSBY TOTAL:		\$58,251.00	
Delhi	1990	PAVEMENT MGMT SURVEY & PROGRAM	\$14,750.00	1990
	1990	PAVEDEX STUDY	\$3,935.00	1990
	1991	PAVEDEX STUDY	\$2,805.00	1991
	1991	FAYSEL DRIVE	\$26,500.00	1991
	1992	PAVEMENT MGMT UPDATE/UPGRADE	\$9,749.00	1992
	1993	DYNAFLECT TESTING OF ROADS	\$13,840.00	1993
	1994	SALT DOME FACILITY	\$105,000.00	1994
	1998	PAVEMENT MGMT STUDY	\$9,355.00	1998
	2000	PAVEMENT MGMT SYSTEM UPGRADE	\$11,300.00	2000
	2001	PAVEMENT MGMT STUDY	\$24,100.00	2002
	2004	PAVEMENT MGMT STUDY	\$15,500.00	2004
	2005	2005 STREET REHABILITATION	\$98,800.00	2005
	2006	PAVEMENT MGMT STUDY	\$15,500.00	2006
	2007	2007 STREET RESURFACING	\$22,768.00	2008
	2008	2008 STREET RESURFACING	\$18,534.00	2008
	2009	2009 STREET RESURFACING	\$18,692.00	2009
	2010	PMS Road Condition Survey	\$11,091.00	2010
	2011	2011 STREET RESURFACING	\$18,549.00	2011
	2012	2012 STREET REHABILITATION PROGRAM	\$18,549.00	2012
	2013	2013 STREET REHABILITATION PROGRAM	\$18,400.00	2013
2014	2014-A STREET REHABILITATION PROGRAM	\$18,186.00	2014	
2015	2015-A STREET REHABILITATION PROGRAM	\$18,076.00	2015	
2016	2016-A STREET REHABILITATION PROGRAM	\$18,151.00	2016	
2017	2017-A REHABILITATION PROGRAM	\$18,183.00	2017	
2018	2018 STREET REHABILITATION	\$18,240.00	2018	
2019	2019 STREET REHABILITATION	\$18,100.00	2019	
	DELHI TOTAL:		\$586,653.00	
Green	1990	WYNNBURNE DRIVE	\$41,735.00	1990
	1991	WHITE OAK DR REHABILITATION	\$40,000.00	1991
	1991	GREENWAY, WOODHAVEN, MOONRIDGE	\$10,885.00	1991
	1992	RECONSTRUCT/REHAB LA GRANGE LN	\$27,298.00	1992
	1993	RIDGEDALE DRIVE REHAB	\$37,053.00	1993
	1994	TURF LANE REHAB	\$38,000.00	1994
	1995	MENZ LANE	\$39,910.00	1995
	1996	STEVIE LANE	\$41,370.00	1996
	1997	SUMMERDALE DRIVE	\$39,000.00	1997
	1998	1998 STREET REHABILITATION	\$41,775.00	1998
1999	CLEARVIEW AVE REHABILITATION	\$40,000.00	1999	

License Revenue —Continued

ANNUAL DISTRIBUTION

Township	Project Year	Project Description	Approved	Year Paid Township
Green	2000	HAUBNER RD REHABILITATION	\$41,772.00	2000
	2001	VALLEYBROOK DRIVE	\$39,860.00	2001
	2002	RUEBEL PLACE	\$39,884.00	2002
	2003	TALLOAK COURT RESURFACING	\$39,884.00	2003
	2004	LINSAN DRIVE REHABILITATION	\$40,000.00	2004
	2005	EPLEY ROAD IMPROVEMENT (SCIP MATCH)	\$40,000.00	2005
	2006	FLORIDALE LANE	\$40,000.00	2006
	2007	2007 STREET RESURFACING	\$41,700.00	2007
	2008	2008 STREET RESURFACING	\$41,700.00	2008
	2009	2009 STREET RESURFACING	\$41,700.00	2009
	2010	2010 STREET RESURFACING	\$31,788.00	2011
	2011	2011 STREET RESURFACING	\$40,469.00	2011
	2012	2012 STREET RESURFACING	\$40,469.00	2012
	2013	2013 STREET REHABILITATION PROGRAM	\$40,502.00	2013
	2014	2013 STREET REHABILITATION PROGRAM	\$40,927.00	2014
	2015	2015 STREET REHABILITATION PROGRAM	\$41,747.00	2015
	2017	2017 STREET REHABILITATION PROGRAM	\$82,560.00	2017
	2018	2018 STREET REHABILITATION PROGRAM	\$41,360.00	2018
	2019	2019 STREET REHABILITATION PROGRAM	\$41,120.00	2020
			GREEN TOTAL	\$1,204,468.00
Harrison	1991	LEES CREEK ROAD	\$18,651.00	1992
	1995	1995 ROAD REHAB	\$3,633.00	1995
	1996	HOPPING SLIDE	\$25,000.00	1997
	2007	2007 STREET RESURFACING	\$18,442.00	2007
	2014	FARMLAND DRIVE	\$16,280.00	2014
	2016	NEW BIDDINGER & LEES CREEK INT	\$15,039.00	2016
		HARRISON TOTAL:	\$97,045.00	
Miami	1993	TOWER ROAD RESURFACING	\$5,612.33	1993
	1997	PICKWAY DRIVE	\$53,793.00	1997
	2002	FROGTOWN STREET IMPROVEMENTS	\$11,912.00	2003
	2004	QUADRANT DRIVE RESURFACING	\$11,300.00	2004
	2007	2007 STREET RESURFACING	\$20,000.00	2008
	2010	2010 RESURFACING	\$23,110.00	2011
	2014	WHISPERING FARM TRAIL	\$31,000.00	2014
		MIAMI TOTAL:	\$156,727.33	
Springfield	1990	FEASIBILITY STUDY-DRAINAGE/ST. REHAB	\$27,034.00	1990
	1991	HOLYHCK,FALMTH,CHRSTOPL,RYNRD	\$16,000.00	1991
	1992	HOLYHCK,FALMTH,CHRSTOPL,RYNRD	\$32,823.00	1992
	1993	EDGEMONT TERRACE ENGR	\$24,700.00	1993
	1994	MT HEALTHY HGTS	\$24,634.00	1995
	1995	HOLLYHOCK SUBD	\$24,733.00	1995
	1996	EDGEMONT TERRACE	\$24,689.00	1996
	1997	1997 RESURFACING	\$24,689.00	1998
	1998	1998 RESURFACING	\$24,689.00	1999
	1999	VARIOUS ROADS REPAIR PROJECTS	\$24,689.00	1999
	2000	RESURFACING 2000	\$24,689.00	2000
	2001	RESURFACING 2001	\$24,689.00	2001
	2002	WINTONDALE SUBD RESURFACING	\$21,668.00	2002
	2003	MILLBROOK SUBD	\$21,668.00	2003
	2004	PAVEMENT MANAGEMENT SYSTEM STUDY	\$14,200.00	2004
	2005	2005 STREET REHABILITATION	\$26,610.00	2005
	2006	2006 RESURFACING	\$22,162.00	2006
	2007	2007 STREET RESURFACING	\$22,479.00	2007
	2008	2008 STREET RESURFACING	\$22,479.00	2008
2009	2009 STREET RESURFACING	\$22,952.00	2009	

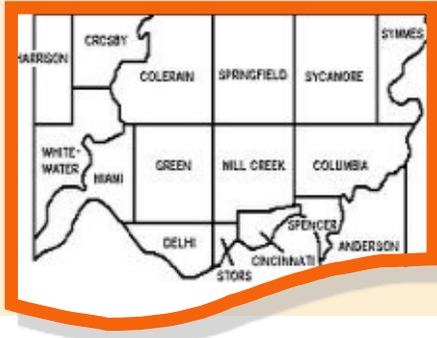
License Revenue—Continued

ANNUAL DISTRIBUTION

Township	Project Year	Project Description	Approved	Year Paid Township
Springfield	2010	2010 RESURFACING	\$16,567.00	2010
	2011	2011 STREET RESURFACING	\$22,913.00	2011
	2012	2010 RESURFACING	\$22,913.00	2012
	2013	2013 ROAD IMPROVEMENT	\$22,724.00	2013
	2014	2014 PAVEMENT REJUVINATION PROGRAM	\$22,863.00	2014
	2015	2014 PAVEMENT REJUVINATION PROGRAM	\$11,072.00	2015
	2015	2015 PAVEMENT REJUVINATION PROGRAM	\$12,146.00	2015
	2016	McKELVEY ROAD STORM SEWER	\$23,260.00	2016
	2017	PAVEMENT PRESERVATION PROJECT	\$23,246.00	2017
	2018	2018 ASPHALT REJUVINATION PROGRAM	\$23,520.00	2018
	2019	2019 ASPHALT REJUVINATION PROGRAM	\$23,780.00	2019
		SPRINGFIELD TOTAL:	\$697,280.00	
Sycamore	1991	91 ROAD IMPROVE PROG (91-04 RESURF)	\$40,000.00	1991
	1993	JUD, HUDDLESTON, ESTERMARIE DRIVE REHABILITATION	\$19,043.22	1994
	1994	1994 RD IMPROVEMENT	\$6,383.00	1994
	1995	1995 RD IMPROVEMENT	\$17,868.00	1995
	1996	1996 RD RESURFACING	\$13,800.00	1997
	1997	1997 RESURFACING	\$13,800.00	1997
	1998	1998 RESURFACING	\$13,800.00	2000
	1999	1999 RESURFACING	\$13,800.00	2000
	2000	KUGLER MILL	\$13,800.00	2001
	2001	HIGH POINT SUBD	\$13,800.00	2002
	2002	2002 RESURFACING	\$15,006.00	2002
	2003	GOLDCOAST, REDSKY, PALACE	\$15,006.00	2004
	2004	GOLDCOAST, REDSKY, PALACE	\$12,983.00	2004
	2005	2005 STREET REHABILITATION	\$14,968.00	2005
	2006	STURBRIDGE SUBDIVISION	\$15,455.00	2008
	2008	2008 STREET RESURFACING	\$29,605.00	2008
	2009	STURBRIDGE SUBDIVISION	\$14,588.00	2009
	2012	STREET REHABILITATION	\$37,571.00	2012
2016	2016 CURB PROGRAM WHITEWATER	\$57,819.00	2016	
		SYCAMORE TOTAL:	\$379,095.22	
Symmes	1990	ARNOLD LANE IMPROVEMENT	\$12,910.00	1990
	1991	ARNOLD LN IMPROVE, ADD'L ENGR	\$7,975.00	1991
	1992	EMERGENCY SIGNAL	\$3,900.00	1992
	1994	SHORE DR REPAIR	\$9,800.00	1994
	1996	SALT DOME	\$80,495.54	1996
	2005	SALT DOME	\$60,000.00	2006
	2013	2013 ROAD RESURFACING	\$54,286.00	2013
	2016	2016 ROAD RESURFACING	\$31,062.00	2016
		SYMMES TOTAL:	\$260,428.54	
Whitewater	1995	MIAMITOWN STORM SEWER & RESURF	\$30,000.00	1995
	1997	FURLONG DRIVE	\$10,000.00	1997
	2000	LUTHER LANE	\$15,696.00	2001
	2014	MIAMITOWN STREETS REHABILITATION	\$68,036.00	2001
	2018	KOPP LANE REHABILITATION	\$20,780.00	2018
		WHITEWATER TOTAL:	\$144,512.00	

TOTAL TOWNSHIP EXPENDITURES TO DATE: \$5,690,519.09

TOWNSHIP AND COUNTY ENGINEER PROJECT DESCRIPTIONS



FOR PROGRAM YEAR 2019

DISTRICT 2 - HAMILTON COUNTY & TOWNSHIP

2019 Township & County Project Descriptions

2019 Township & County Partnership - Roads

Hamilton County & Delhi Township

Anderson Ferry Road (Rapid Run to Delhi Pike)

Estimated cost: \$479,100

LTIP grant totaling \$374,550 was awarded for this project.

Pavement rehabilitation & curb repair

Construction to Commence: Spring, 2020

Anticipated Completion: October, 2020

Hillside Road Culvert Repair

Estimated cost: \$397,205

LTIP grant totaling \$198,602 was awarded for this project.

Replacement of culvert, wing walls, and pavement reconstruction

Anticipated Completion: Spring, 2020

Hamilton County & Green Township

Cheviot Road (North Bend to Jessup)

Financial partnership with Green Township

Estimated cost \$3,274,310. STP grant of \$4,469,715 has been awarded for this project.

Final year of construction- This project will see the northbound curb lane carrying traffic from North Bend to Tallahassee extended to the intersection with Jessup Road. Additional work to include major rehabilitation of the pavement and resurfacing with 3" asphalt.

Anticipated Completion Date: Fall, 2020

Harrison Avenue (Old Rybolt to Veterans Park)

Funding contribution from Green Township Board of Trustees

Estimated cost: \$1,497,000. SCIP grant totaling \$604,300 was awarded for this project

Replacement of the westbound concrete lanes with full depth asphalt

Anticipated Completion: October, 2020

TOWNSHIP AND COUNTY ENGINEER PROJECT DESCRIPTIONS



FOR PROGRAM YEAR 2019 - CONTINUED

DISTRICT 2 - HAMILTON COUNTY & TOWNSHIP

2019 Township & County Projects - Continued

Hamilton County & Green Township - continued

Race Road (Boomer to Windmere)

Estimated cost: \$1,497,000. LTIP grant totaling \$670,000 was awarded for this project.
Pavement rehabilitation & curb repair

Construction to Commence: Spring, 2020

Anticipated Completion: December, 2020

Hamilton County & Springfield Township

Winton Road & Lakeview Park Subdivision Improvements

Financial partnership with Springfield Township
Estimated Cost: \$2,364,090. SCIP loan totaling \$3,147,000 awarded for this project.

First year of construction

Hamilton County - Winton Road (Sarbrook Drive to Greenhills Corp.)

Springfield Township - Lakeview Park Subdivision: Lakeside Drive, Lakeshore Drive, Lakepark Drive, Winlake Drive, Chatterton Drive & Jackpine Court.

Winton Road - Major rehabilitation of the pavement and resurfacing with 3" asphalt.

Lakeview Park - Extensive full & partial depth repairs, installation of under-drain and stress absorbing membrane. Resurfacing with 2.5" asphalt. Asphalt rejuvenation.

Completed: Fall, 2019

Hamilton County & Whitewater Township

Harrison Avenue & West Road Improvements

Estimated cost: \$3,760,000. LTIP grant totaling \$1,880,000 awarded for this project.

First year of construction

Harrison Avenue (West Rd. to east intersection with Dry Fork Rd.)

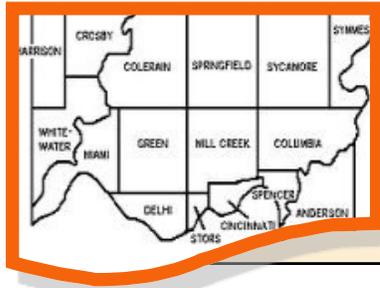
Rehabilitation of the pavement and resurfacing with 3" asphalt. Several road shoulder embankment failures are to be reconstructed utilizing granular base material and full depth asphalt.

West Road (Harrison Avenue to Dry Fork Road)

Rehabilitation of the pavement and resurfacing with 3" asphalt.

In addition to the two Hamilton County roads noted, Whitewater Township will be funding the rehabilitation of Kopp Lane as part of this construction contract.

Completed: Fall, 2019



PROJECT DESCRIPTIONS FOR 2019

HAMILTON COUNTY ENGINEER'S OFFICE

2019 Hamilton County & County Project Descriptions

2019 Hamilton County Road Projects

Pippin Road (Compton Road to Galbraith Road)

Estimated cost: \$5,994,876 Grant funding totaling \$2,150,000 awarded for this project. This includes STP grant of \$1,250,000 and LTIP grant of \$900,000.

Second phase of Pippin Road Improvements. Pavement rehabilitation and resurfacing with 3" asphalt. The pavement and shoulder/embankment are to be reconstructed in a 300' area in the 8800 block. Super-elevation of the roadway and installation of an open-faced friction course of asphalt in a 1,200' long area of curved roadway north of Mercury Drive. Construction of 11,000' of new curb and replacement of existing storm sewer and the construction of an additional 2,500' of new storm sewer. Addition of turn lanes for Dolphin & Neptune Drives and Mercury Avenue.

Construction completed: Summer, 2019

Winton Road (Fleming to Sarbrook)

Estimated cost: \$1,850,000 First year of construction
Grant funding totaling \$3,199,690 awarded for this project. This includes STP grant of \$2,844,173 and LTIP grant of \$355,520

Widening to accommodate the construction of a dual left-turn lane beginning approximately 200' north of the intersection with Fleming and continuing northward throughout the project limits. Left turn lane to be installed at the entrance to the Powell/Crosley YMCA. Sidewalk will be reconstructed 50% wider than that in place at this time, and will be integrated into the back of curb. Pavement repair including substantial full & partial depth repairs to the base & sub-base, curb reconstruction, repair of existing storm water inlets and pipe; construction of new storm water inlets and pipe in widening area. Upon completion repair items, the entire project areas will be resurfaced with of 3" asphalt, and the replacement of the existing traffic signals at the intersection at Fleming.

Anticipated Completion Date: Spring, 2020

2019 Township & County Projects Descriptions

2019 Hamilton County Pavement Resurfacing Program

Anderson Township

Mt. Carmel Road : Appleblossom to House No. 3118

Colerain Township

Blue Rock Road : Flick to East Miami River

Civic Center Drive: Pippin Road to Hamilton Avenue (US 127)

East Miami River Road: Blue Rock to 8400 Block

Springdale Road: Season Drive to Springfield Twp. Corporation

West Kemper Road: Lick Road to house no. 3110

Columbia Township

Newtown Road: Newtown Corporation to Wooster Pike (US 50)

Green Township

South Road: Werk to Southpointe



PROJECT DESCRIPTIONS FOR 2019

HAMILTON COUNTY ENGINEER'S OFFICE

2019 Hamilton County Pavement Resurfacing Program - continued

Springfield Township

Leacrest Road: Meadowcrest to Woodlawn Corporation
Springdale Road: Colerain Twp. Corp. to Greenhills Corporation

Whitewater Township

Simonson Road: Kilby Road to Dry Fork Road

2020 Township & County Project Descriptions

2020 Township & County Partnership - Roads

Hamilton County & Anderson Township

Bridle Road (entire length)

Estimated cost: \$871,871. LTIP grant totaling \$439,371 was awarded for this project

Pavement rehabilitation

Construction to Commence: Spring, 2020

Anticipated Completion: December, 2020

Broadwell & Mt. Carmel Roads

Estimated cost: \$1,200,000. LTIP grant totaling \$239,000 was awarded for this project

Pavement rehabilitation

Construction to Commence: Spring, 2020

Anticipated Completion: December, 2020

Hamilton County & Colerain Township

East Miami River Road (Harrison to .7 mile north)

Estimated cost: \$1,541,000. LTIP grant totaling \$770,500 was awarded for this project

Pavement rehabilitation & reconstruction

Installation of traffic signal & turn-lanes at intersection with Harrison Avenue

Construction to Commence: Fall, 2020

Anticipated Completion: December, 2021

2020 Hamilton County Road Projects

Resurfacing Program

Estimated Cost: \$2,000,000



PROJECTED 2020 AND 2021 ROADWAY PROJECTS



<u>PROJECTS 2020</u>	<u>DESCRIPTIONS</u>	<u>ESTIMATE</u>
Resurfacing Program	Resurfacing Various Roadways	\$3,750,000
Guardrail Program	Replace Guardrail Various Roadways	\$250,000
Friction Pavement Program	Treating Various Roadways	\$100,000
Broadwell & Mt. Carmel Rds.	Resurfacing and Rehabilitation Improvement	\$1,578,000
Bridle Road (Eight Mile to Little Dry Run)	Resurfacing and Rehabilitation Improvement	\$871,871
E. Miami River and Harrison Intersection	Resurfacing and Rehabilitation Improvement	\$1,541,000
Fields Ertel & McCauley Intersection-Right of Way	Right of Way	\$50,000
Fields Ertel & Conrey Intersection-Right of Way	Right of Way	\$225,000
Fields Ertel & Butler Warren Int/Right of Way	Right of Way	\$225,000
Fields Ertel Road (Snider to Wilkens Blvd)	Engineering	\$750,000
Harrison Road (Wessleman to Filview Cr. E. Jct.)	Widening and Resurfacing	\$6,507,351
Harrison Road (Veterans' Park to Johnson)	Resurfacing	\$300,000
Hubble Road (W. Terminus to Cheviot)	Drainage Engineering	\$30,000
Kugler Mill Road (Blue Ash to Montgomery)	Widening and Resurfacing	\$3,437,750
Shady Lane & Bridgetown Roundabout	Right of Way	\$500,000
General Engineering	Engineering	\$200,000
Geotechnical Engineering and Testing	Engineering	\$200,000
	<u>SUBTOTAL 2020</u>	<u>\$20,515,972</u>

Projects projected are dependent upon available financial leverage to secure the needed funding.

<u>PROJECTS 2021</u>	<u>DESCRIPTIONS</u>	<u>ESTIMATE</u>
Resurfacing Program	Resurfacing Various Roadways	\$4,000,000
Guardrail Program	Replace Guardrail Various Roadways	\$250,000
Friction Pavement Program	Treating Various Roadways	\$100,000
Galbraith Road (Ridgeview to Vine)	Resurfacing and Rehabilitation Improvement	\$1,400,000
Kemper Road (Elkwood to Mill)	Resurfacing and Rehabilitation Improvement	\$292,101
Bridgetown & Shady Lane Construction	Roundabout Intersection	\$2,000,000
Fields Ertel & McCauley Construction	Intersection	\$3,000,000
Fields Ertel & Conrey Construction	Intersection	\$3,000,000
Fields Ertel Road (Snider to Wilkens Blvd)	Right of Way	\$800,000
Hubble Road (W. Terminus to Cheviot)	Drainage and Resurfacing Improvement	\$1,324,730
Plainfield Road (Blue Ash Corp. to Sycamore Rd.)	Resurfacing and Rehabilitation Improvement	\$2,889,700
General Engineering	Engineering	\$200,000
Geotechnical Engineering and Testing	Engineering	\$200,000
	<u>SUBTOTAL 2021</u>	<u>\$19,456,531</u>
	<u>TOTAL AMOUNT (2020 & 2021)</u>	<u>\$39,972,503</u>

Projects projected are dependent upon available financial leverage to secure the needed funding.



PROJECTED 2020 AND 2021 BRIDGE AND SLIDE PROJECTS



<u>PROJECTS 2020</u>	<u>DESCRIPTION</u>	<u>ESTIMATE</u>
Bridge Maintenance	Repair	\$250,000
Asbury Road Slide	Slide Correction & Associated Improvements	\$1,229,100
Birney Lane Culvert	Engineering	\$30,000
Blue Rock Slide Correction at Sheits	Slide Correction	\$124,047
Blome Road (INH-0157)	Rehabilitation	\$1,536,220
Hopper Road Culvert	Culvert Replacement	\$150,000
Kleeman Court Road (B-0024)	Engineering	\$80,000
Markley Road Culver—FEMA	Replacement	\$28,595
Markley Road Slide—FEMA	Slide Correction	\$224,405
Sheed Road (B-0203)	Replacement	\$400,000
Wesselman Road Slide at 7217—FEMA	Slide Correction	\$204,225
Wesselman Road Slide at 7258—FEMA	Slide Correction	\$300,172
Witt Road Slide—FEMA	Slide Correction	\$112,827
Zion Hill Road Slide—FEMA	Slide Correction	\$166,000
Engineering FEMA Projects	Engineering	\$150,000
Western Hills Viaduct	Permissive Auto Local Match	\$1,750,000
	<u>SUBTOTAL 2020</u>	<u>\$6,735,591</u>
<u>PROJECTS 2021</u>	<u>DESCRIPTION</u>	<u>ESTIMATE</u>
Bridge Maintenance	Repair	\$250,000
Beerman Road (B-0005)	Replacement	\$200,000
Birney Lane Culvert	Replacement	\$175,000
Hillside Road Slide	Slide Correction & Associated Improvements	\$1,136,561
Kleeman Court (B-0024)	Rehabilitation	\$175,000
Rapid Run Road (B-0238)	Replacement	\$500,000
River Road Slide	Slide Correction & Associated Improvements	\$1,000,000
Walton Creek Road	Engineering	\$100,000
Western Hills Viaduct	Permissive Auto Local Match	\$1,750,000
	<u>SUBTOTAL 2021</u>	<u>\$5,286,561</u>
	TOTAL AMOUNT (2020 & 2021):	<u>\$12,022,152</u>

Projects projected are dependent upon available financial leveraging to secure the needed funding.

2019 COUNTY ROAD AND BRIDGE IMPROVEMENTS

PROJECT NAME	CONTRACTOR	AWARDED BID AMOUNT	LOCAL MATCH
Resurfacing	Barrett Paving	\$2,955,589	\$2,955,589
Micro Paving	Strawser Construction	\$40,102	\$40,102
Anderson Ferry Rd (Delhi to Rapid Run)	Barrett Paving	\$842,833	\$468,283
Race Road (Boomer to Windmere)	J R Jurgensen	\$1,250,812	\$625,406
Governor's Way (Mason to Union Cemetery)	Symmes Twp. Bid	\$275,000	\$275,000
Harrison Road (Old Rybolt to Veterans Park)	Sunesis Construction	\$2,030,498	\$1,281,908
Sycamore Road (Plainfield to Kenwood) Part 2 of 2	Barrett Paving	\$2,982,322	\$11,000
Bridge Maintenance Hillside Road Bridge (B-0759)	Prus Construction	\$227,769	\$227,769
Hillside Road Slide Correction	W. E. Smith	\$397,206	\$201,323
Keller Road Bridge (INH-0106)	Prus Construction	\$872,888	\$436,444
Shady Lane Culvert Replacement	Smith Corporation	\$54,540	\$54,540
Summit Road Slide Correction	W. E. Smith	\$236,620	\$236,620
Ragland / Turpin Bridge (F-0006) Replacement	Fred A. Nemann	\$327,788	\$327,788
Cliff Road Slide Correction	W. E. Smith	\$299,472	\$299,472
	SUBTOTAL:	\$12,793,439	\$7,441,244

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2019 COUNTY ROAD AND BRIDGE IMPROVEMENTS – Continued

2019 TOWNSHIP 20% FUND SUPPORTED PROJECTS

PROJECT NAME	TOWNSHIP	PROJECT COST	20% LOCAL MATCH
2019 Street Rehabilitation	Delhi	\$967,855	\$18,100
2019 Street Rehabilitation	Green	\$1,603,000	\$41,120
2019 Asphalt Rejuvenation	Springfield	\$72,607	\$23,780
	SUBTOTAL:	\$2,643,462	\$83,000

2019 MUNICIPAL ROAD FUND (MRF) SUPPORTED PROJECTS

PROJECT NAME	MUNICIPALITY	PROJECT COST	MRF LOCAL MATCH
Annual Bridge Maintenance Program	Cincinnati	\$1,000,000	\$1,000,000
Montgomery Road	Montgomery	\$10,574,632	\$300,000
Highland Avenue	Norwood	\$680,000	\$120,000
Kenwood Road	Blue Ash	\$471,000	\$200,000
Adams Road	Mt. Healthy	\$440,000	\$88,000
Euclid Road (Miami to Camargo)	Madeira	\$497,585	\$50,000
East Kemper Road	Springdale	\$463,290	\$145,430
Webster Avenue	Deer Park	\$200,000	\$100,000
Euclid Road (Miami to Hosbrook)	Madeira	\$381,385	\$50,000
	SUBTOTAL:	\$14,707,892	\$2,053,430
	<u>Grand Total of Project Activity:</u>	<u>\$30,144,793</u>	<u>\$9,577,674</u>

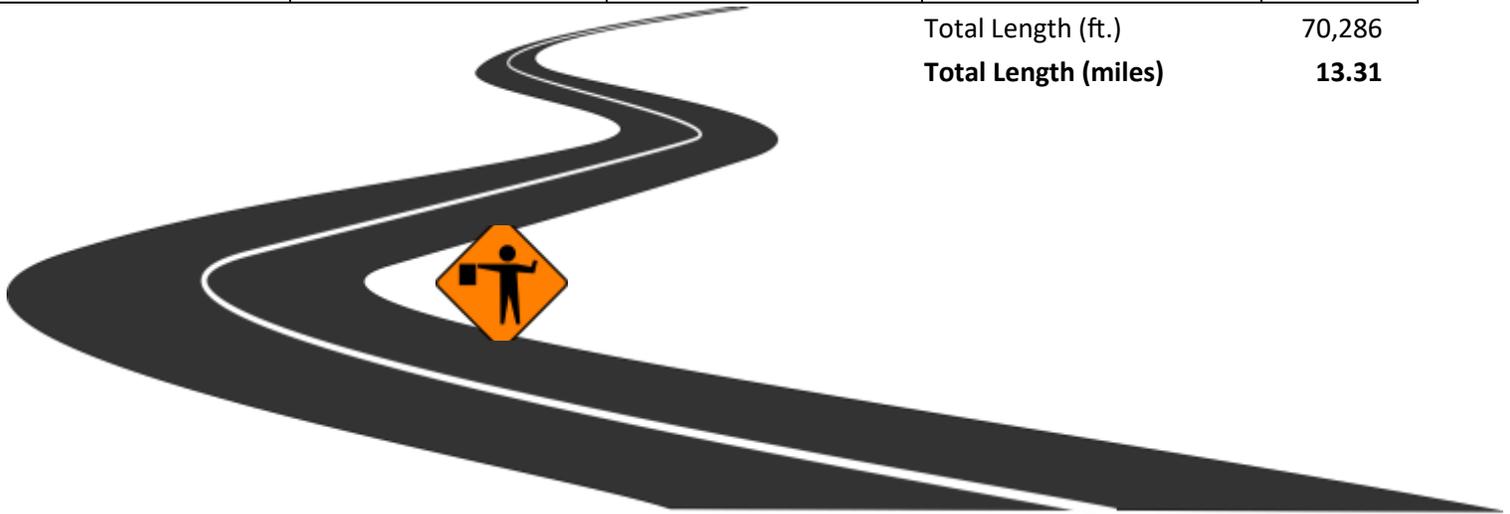


2019 Paving

The County Engineer, as part of an ongoing roadway maintenance program, has performed resurfacing on the following list of roads. Included on this list are roads that were paved by utility companies, such as Duke Energy and Greater Cincinnati Water Works, as part of the pavement restoration requirements for new main installations in the roadway. As part of the resurfacing an attempt is made to install paved shoulder wherever possible. The length of roadways improved in 2019 totals 13.31 miles.

Road Name	From	To	Widening	Length
Suspension Bridge	1000' W of Kilby Rd	Kilby Rd		1,000
Civic Center	Pippin Rd	Waycross		2,534
Leacrest	Meadowcrest	Woodlawn Corp		2,307
West Kemper	Bridge 0323	3110 W Kemper		6,034
Mt Carmel	Appleblossom Rd	3718 Mt Carmel		2,081
Newtown	Newtown Corp (N)	Wooster Pk		2,638
Simonson	Kilby Rd	Dry Fork		2,839
South	Southpointe Dr	Werk Rd		7,828
Springdale	Season Dr	Greenhills Corp		16,467
Cheviot	North Bend Rd	Shortridge Cir	12' Tallahassee to Jessup	3,457
Kilby	5085 Kilby Rd	RR tracks		967
Winton	Sarbrook Dr	South Shore		4,043
Winton	Fleming	Sarbrook	12' entire length	2,678
East Miami River	8400 EMRR	Old Blue Rock		13,939
Adams	Carlsbory	Mt Healthy Corp		1,474

Total Length (ft.) 70,286
Total Length (miles) 13.31



HAVE YOU SEEN US LATELY? The odds are "Yes"!

Hamilton County residents interact almost every day with the Storm Water District and may not be aware of it, but we are everywhere! You've probably seen our signs, watched our ads, or interacted with our very talented staff. We pride ourselves in serving our residents and communities and want to take this opportunity to tell you about us and all things we accomplished in 2019 on your behalf.

Who We Are?

The Hamilton County Storm Water District was established in response to the federally mandated Phase II storm water program. The Ohio EPA issues the National Pollutant Discharge Elimination System (NPDES) general permit for this program that authorizes the discharge of storm water. The partner agencies in the Storm Water District are the Hamilton County Engineers, Hamilton County Soil & Water Conservation District, Hamilton County Public Health, Hamilton County Planning & Development, and Metropolitan Sewer District. The Storm Water District represents Hamilton County's commitment to storm water issues.



Accomplishments During 2019!

The permit requires us to implement six control measures designed to improve storm water.

Six Minimum Control Measures	Meeting and Exceeding the Measures
1. Public Education & Outreach	The District gave 390+ presentations on water related issues to 10,000 participants.
2. Public Involvement & Participation	The District was involved in 119 public events targeting 9,000+ participants.
3. Illicit Discharge Detection & Elimination	The District closed out its initial 10-year program- screening, investigating and clearing a total of 722 potential illicit discharges and abating 22 identified discharges.
4. Construction Site Storm Water Runoff Control	The District performed 3900+ construction site inspections on 580+ sites for proper storm water runoff control.
5. Post-Construction Storm Water Management	The District determined that out of 98 reviewed plans, 25 sites needed post construction storm water management.
6. Good Housekeeping & Pollution Prevention	The District provided Good Housekeeping and Pollution Prevention training sessions at 39 facilities for 328 municipal and township staff.



For More Information Contact:
Hamilton County Storm Water District
138 East Court Street Room 700 CAB
Cincinnati, Ohio 45202
www.hcswd.org | (513) 946-4254

FINANCIAL REPORT

2019

2019 Revenues

<u>2019 Revenues</u>	<u>Road & Bridge</u>	<u>Other Funds</u>
Motor Vehicle License Fee	\$13,684,636.43	
Gasoline Tax	\$2,939,200.28	
State & Township Reimbursements	\$546,533.66	
Permits & Inspections	\$47,298.14	
Fines	\$201,003.17	
Interest	\$240,699.15	
CAGIS Subsidy	\$435,862.00	
Other	\$315,142.93	
 Storm Water District		 \$1,966,732.53
 Permissive Auto Tax - County Revenues		 \$8,617,204.22
Permissive Auto Tax - Project Closure Revenues		\$3,835,868.64
Permissive Auto Tax - Interest Earned		\$112,418.22
 Municipal Road Fund		 \$2,342,794.93
Municipal Road Fund - Interest Earned		\$81,580.57
 County Bond Fund - Interest Earned		 \$10,849.71
<hr/>		
Subtotals:	<u>\$18,410,375.76</u>	<u>\$16,967,448.82</u>
	Total Revenues:	<u>\$35,377,824.58</u>

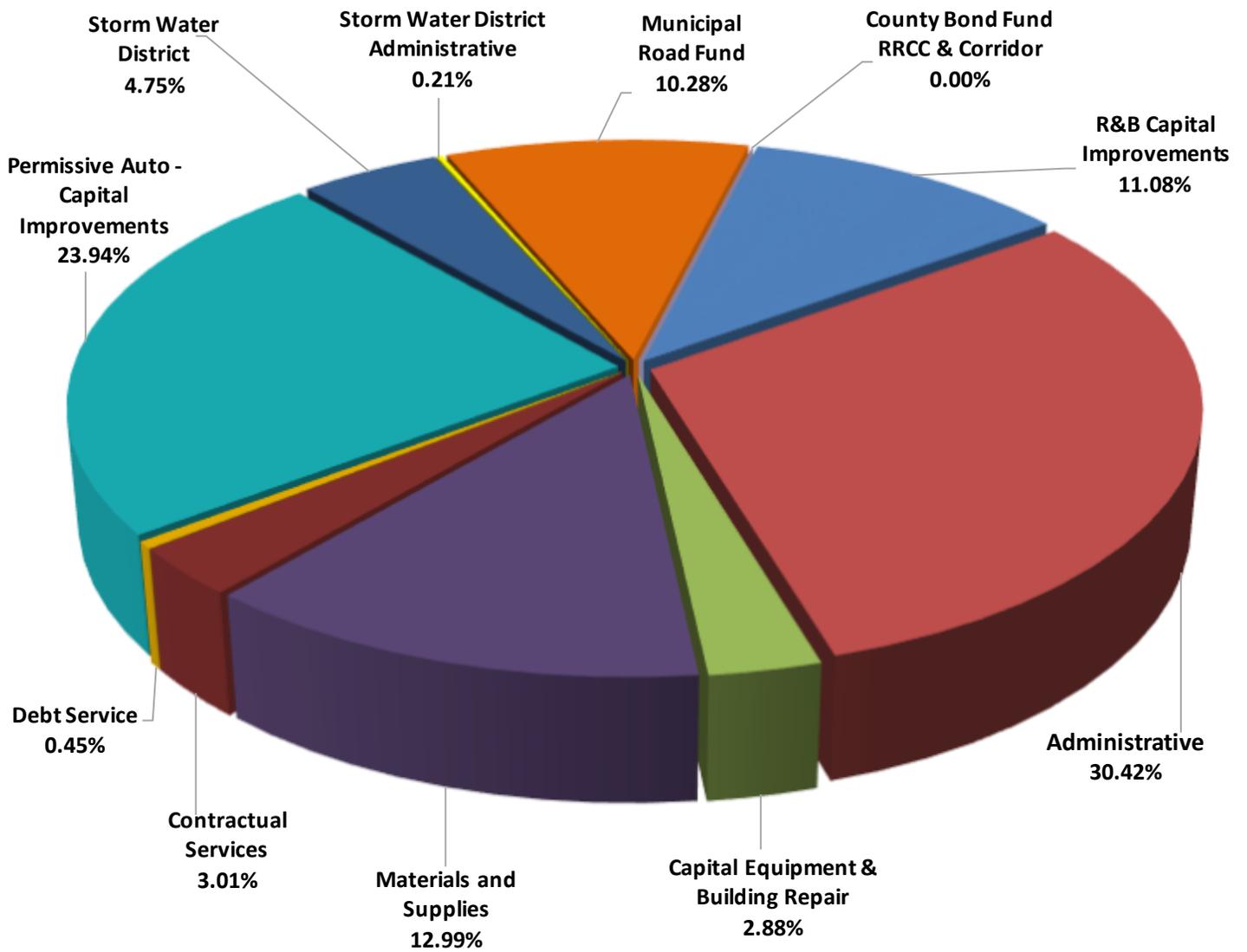
Financial Report - Continued

2019 Expenditures

<u>2019 Expenditures</u>	<u>Road & Bridge</u>	<u>Other Funds</u>
Capital Improvements	\$3,850,393.71	
Administrative	\$10,575,141.50	
Capital Equipment & Building Repair	\$1,002,030.59	
Materials and Supplies	\$4,515,278.09	
Contractual Services	\$1,047,197.61	
Debt Service	\$155,923.08	
Permissive Auto - Capital Improvements		\$8,322,274.14
Storm Water District		\$1,652,494.83
Storm Water District Administrative		\$72,353.08
Municipal Road Fund		\$3,572,905.00
County Bond Fund RRCC & Corridor		\$0.00
	Subtotals:	
	<u>\$21,145,964.58</u>	<u>\$13,620,027.05</u>
	Total Expenses:	<u>\$34,765,991.63</u>

Financial Report - Continued

2019 Expenditures



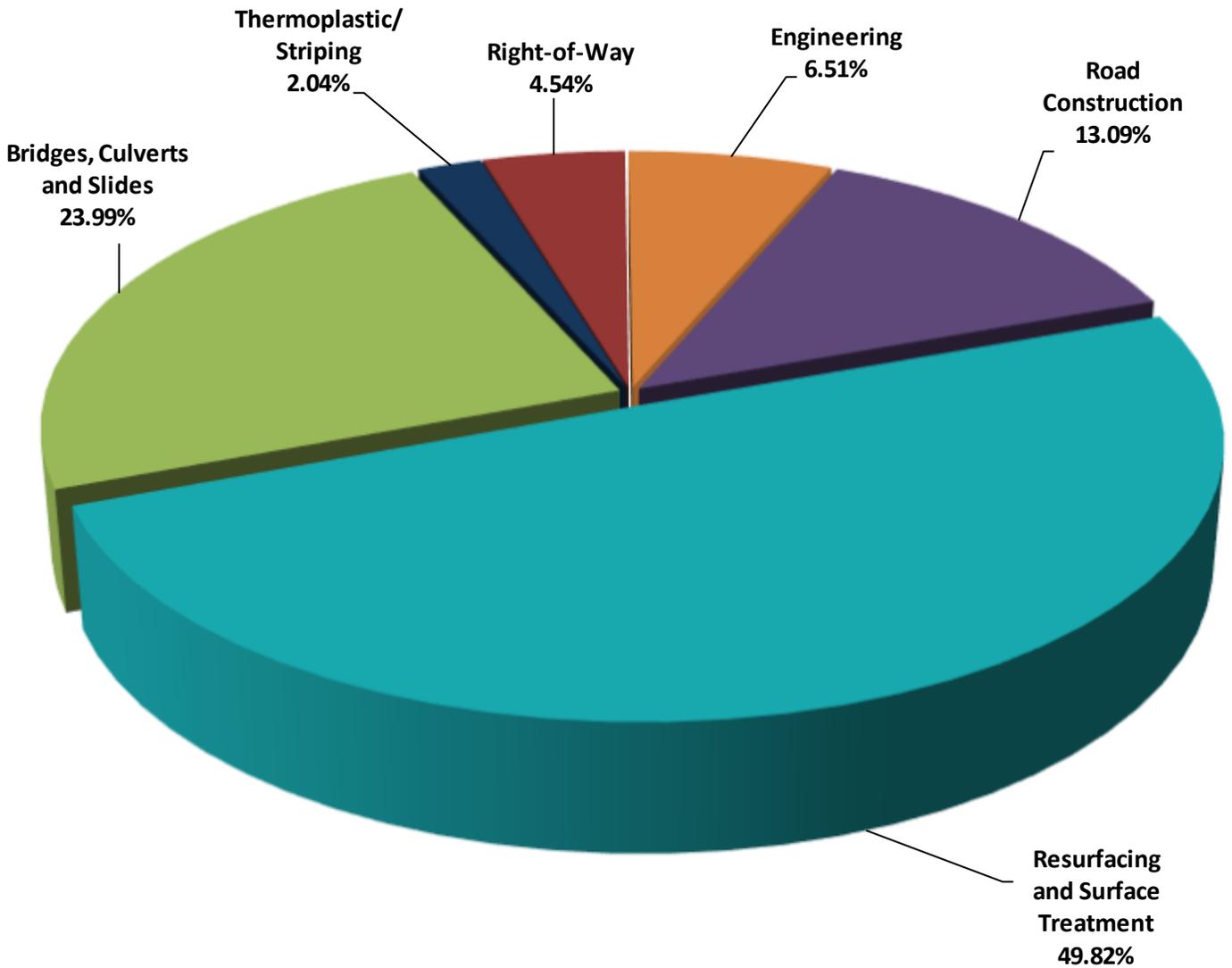
Financial Report - Continued

2019 Local Funds Invested for Capital Improvements

	<u>Road & Bridge</u>	<u>Other Funds</u>
Road Construction		\$1,585,423.60
Resurfacing and Surface Treatment	\$2,955,647.85	\$3,076,559.85
Bridges, Culverts and Slides	\$497,431.96	\$2,408,040.08
Thermoplastic/Striping	\$247,313.90	
Right-of-Way		\$550,000.00
Engineering	\$150,000.00	\$638,794.11
Testing		\$63,456.50
<hr/>		
Subtotals:	<u>\$3,850,393.71</u>	<u>\$8,322,274.14</u>
Total Capital Investments:		<u>\$12,172,667.85</u>

Financial Report - Continued

2019 Local Funds Invested for Capital Improvements



TRAFFIC OPERATION SUMMARY

2019



The Engineer's Traffic Department is responsible for performing traffic studies, which establish "No Parking Zones", "Multi-Way Stop" locations and the "Warrant Analysis" for the signalization of County owned intersections. Any recommendations resulting from these studies are then brought before the Board of County Commissioners who is the sole authority to apply traffic laws (except Speed Limits) in unincorporated areas of Hamilton County.

The Traffic Department also completes the "Speed Warrant Analysis" for roads and, if a change of the existing Speed Limit (lower or higher) can be warranted, the study must first have the Board of County Commissioners approval before being forwarded to the Director of the Ohio Department of Transportation (ODOT). ODOT determines the just and safe speed limit for that road in question and has the sole authority to set Speed Limits on County Roads.

In the process of performing these studies the Traffic Department gathers data that is valuable to the public for other purposes such as manual and mechanical traffic counts. The traffic counts are available on the Engineer's Website. Another is the gathering of the traffic crash reports from the Sheriff's Office and Township Police Departments into a database that can be used to better pinpoint crash locations by intersection, street address, and/or distances from the nearest intersection. Annually the Department will review thousands of traffic crash reports. This can assist in ascertaining current and potential problem areas.

The Traffic Department investigates and reports on numerous requests and complaints generated from various sources such as citizens, businesses, schools, public officials, etc. Also, they are responsible for the review of traffic control plans (signal, striping and/or signing). Other duties include preparing detour plans, sending out News Releases to advise the public of possible closures and delays and the layout of newly resurfaced county roads in preparation for striping.

The Traffic Department's Sign Shop is responsible for the striping and installation of all pavement markings on County Roads. It also has been used by numerous jurisdictions within Hamilton County for the straight-line striping of their roads.

Sign making assists Hamilton County Soil & Water

The Sign shop continues to work with the Hamilton County Soil & Water district by fabricating Stream Crossing Awareness Signs. This saves the district and participating municipalities money by our making them "in house". Previously, these signs were being made by private sign companies at approximately twice the price.

Meeting the New Standard for Sign Retro-reflectivity

The traffic department's sign shop has developed a policy to meet the new standards for sign retro-reflectivity as set forth in the Ohio Manual of Uniform Traffic Control Devices (OMUTCD). The county has measured the retro-reflectivity of each sign that the county is responsible for, and has determined if the sign meets the minimum reflectivity standards. The county has over 19,000 signs on county roadways, of which have been replaced to meet the standards. With the assistance of grant funding from the state, the County in an effort to reduce accidents on curves is scheduled to install additional curve/chevron signs in 2020.

New Traffic Signal Installations in 2019:

Traffic Signal Upgraded with an Uninterruptable Power Supply (UPS):

<u>LOCATION:</u>	<u>TOWNSHIP:</u>
Cheviot & Jessup	Green
Cheviot & North Bend	Green

New Signals Installed as part of Road Improvements:

<u>LOCATION:</u>	<u>TOWNSHIP:</u>
Cheviot & Jessup	Green
Cheviot & North Bend	Green

New FLIR Thermal Detection:

<u>LOCATION:</u>	<u>TOWNSHIP:</u>
Cheviot & Jessup	Green
Cheviot & North Bend	Green
Harrison & Belclare	Green
Harrison & Arbor Woods	Green

New Wave Tronix (Iron Armour) Detection:

<u>LOCATION:</u>	<u>TOWNSHIP:</u>
North Bend at Kroger	Green

New Flashing Yellow Arrow:

<u>LOCATION:</u>	<u>TOWNSHIP:</u>
Rybolt & Old Rybolt	Green

Cities and Townships that were striped in 2019:

City of Cheviot
 City of Harrison
 City of Mt Healthy
 City of Sharonville
 City of Springdale
 City of Wyoming
 Anderson Township
 Delhi Township
 Green Township
 Springfield Township
 Village of Addyston
 Village of Amberley
 Village of Elmwood Pl.
 Village of Glendale

Hamilton County Snow & Ice

2019 LANE MILEAGE MAINTAINED

CENTRAL DIVISION

County Roads	421.85
Other Roads	1.57
Ronald Reagan Highway	81.13
State Routes	143.81

CENTRAL TOTALS: 648.36



EASTERN DIVISION

County Roads	328.42
Other Roads	8.44
Ronald Reagan Highway	34.09
State Routes	181.54

EASTERN TOTALS: 552.49

WESTERN DIVISION

County Roads	519.14
Other Roads	5.81
State Routes	110.13

WESTERN TOTALS : 635.08



LANE MILEAGE TOTALS: 1,835.93



Congratulations to 2019 Snow Roadeo Winners!!

Long before the season changes and snow falls on the roadways, the Hamilton County Engineer held the Annual Snow Roadeo the week of September 17th, 2019.

Ted Hubbard, the Hamilton County Engineer, required all drivers to make safe driving a priority, especially during snow and ice conditions. In preparation for winter, this training/competition is held annually to make safe driving a priority **especially** during the snow and ice season.

This event provides the operators a chance to maneuver in tight predicaments that they may encounter while clearing the roadways of snow and ice. After completing the course, drivers are tested on truck maintenance, which includes a pre-trip inspection to be sure all parts of the truck and plow are operating properly.



Joe Behrend
1st Place Winner

From Tuesday September 17th, through Thursday, September 19th, 2019, County Engineer Ted Hubbard officiated over his Annual "Snow Roadeo". The Roadeo was held outdoors to a new location at the Hamilton County Fairgrounds. This event included a timed obstacle course and a vehicle maintenance inspection. While the weather could not provide the drivers with conditions that reflected snow and ice control on the roads, situations could be duplicated that provided the drivers with an opportunity to hone their driving skills. Approximately 183 drivers in total, which included over 60 drivers from the Hamilton County Engineer's department, more than 60 from the Townships, and approximately 50 from the Municipalities participated in response to Mr. Hubbard's invitation.

The Engineer's top drivers also participated and performed in the top 25 of the APWA Southwest Ohio Snow & Ice Conference/ PWOSWO Snow Roadeo held October 10th at the Mason Sports Complex.

Thanks to all who participated....



Kerry Kerkhoff
2nd Place Winner



Coy Tucker
3rd Place Winner



**THEODORE B. HUBBARD, P.E.- P.S.
HAMILTON COUNTY ENGINEER**

**Todd Portune Center for County Government
138 East Court Street, Room 700
Cincinnati, Ohio 45202**

513.946.4250 *FAX:* 513.946.4288

www.hamilton-co.org/engineer

EMAIL: ted.hubbard@hamilton-co.org